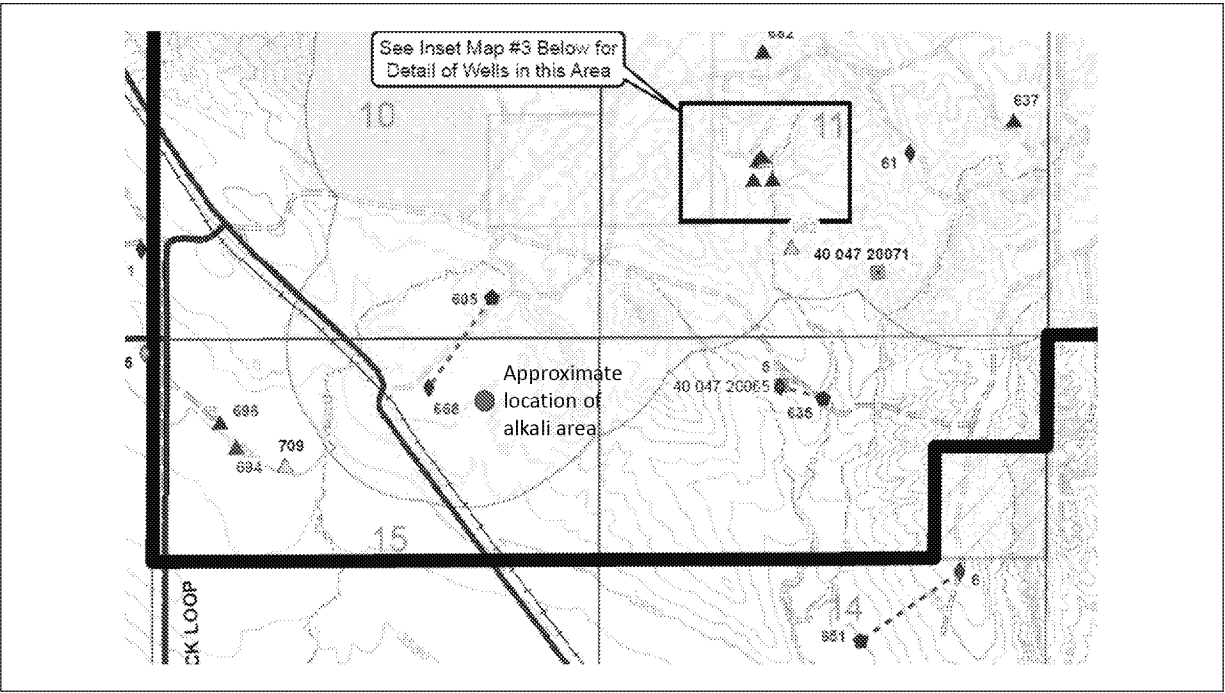


Area enlarged in Figure B

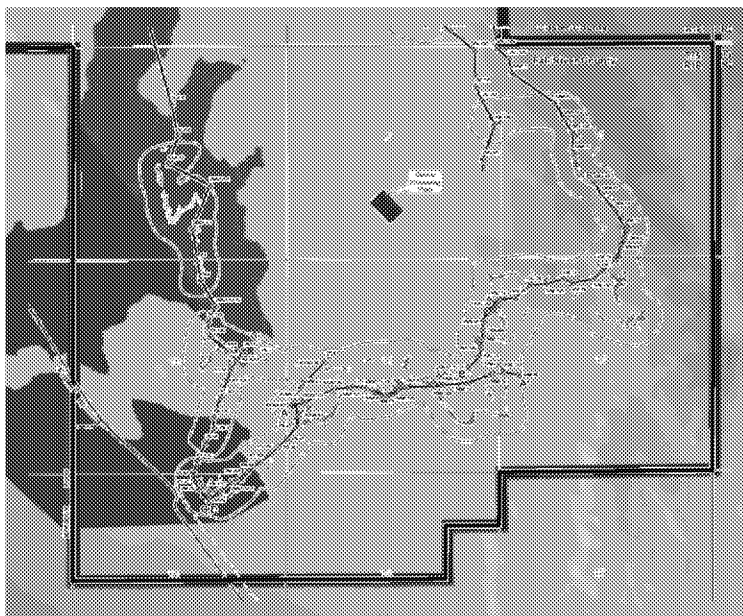
Powertech reviewed infrared images to identify leaking boreholes. These would appear as ponds that have no surface water drainage inflow. They identified one labeled as the Alkali Area above. They will have to look for this borehole or boreholes in this area and re-plug them.

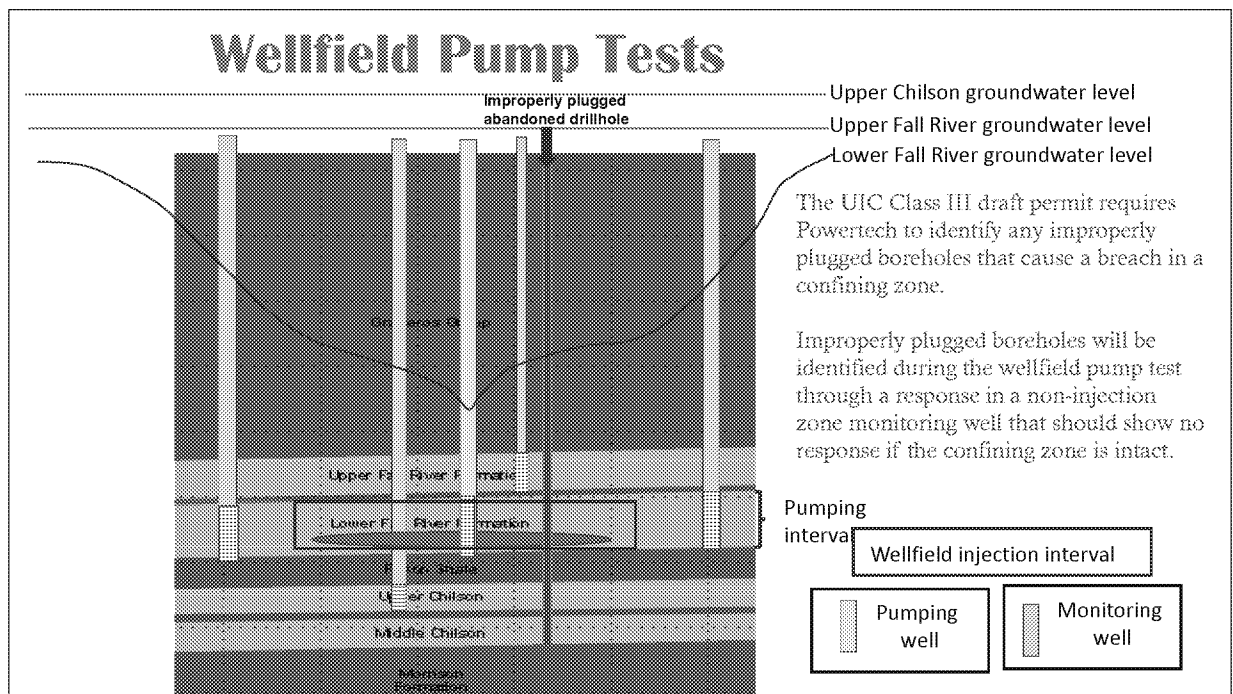




Area where the  
Fall River Aquifer  
potentiometric surface  
is above ground level

Leaky boreholes would  
show up only where the  
Fall River groundwater  
level rises above ground  
surface. The dark blue  
area is where this  
happens. We have to rely  
on the aquifer pump tests  
to locate improperly  
plugged boreholes in  
other areas that are not a  
conduit for groundwater  
to flow to the surface.





The wellfield pump test data must demonstrate vertical confinement to prevent movement of fluids out of the injection zone so that no USDWs are contaminated.

Wellfield pump tests are the best way to identify breaches in confining zones including fractures and improperly plugged abandoned historic drillholes.

The data must also demonstrate that it is possible to contain injection zone fluids horizontally to prevent contaminant migration into USDWs.

If a wellfield pump test shows a breach in a confining zone that cannot be located, reinjection of groundwater is another test method to help identify breaches in confining zones. The Class III permit contains requirements for both activities.

Emphasize: "Powertech will not be authorized to inject in any wellfield if it cannot demonstrate that USDWs will be protected during ISR operations, restoration, and post-restoration activities."